Linda M Hendershot

List of Publications by Year
in descending order

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103 papers	16,046 citations	25034 57 h-index	36028 97 g-index

110 all docs	110 docs citations	110 times ranked	15435 citing authors

#	Article	IF	Citations
1	Dynamic interaction of BiP and ER stress transducers in the unfolded-protein response. Nature Cell Biology, 2000, 2, 326-332.	10.3	2,397
2	ER Stress Regulation of ATF6 Localization by Dissociation of BiP/GRP78 Binding and Unmasking of Golgi Localization Signals. Developmental Cell, 2002, 3, 99-111.	7.0	1,202
3	Posttranslational association of immunoglobulin heavy chain binding protein with nascent heavy chains in nonsecreting and secreting hybridomas.. Journal of Cell Biology, 1986, 102, 1558-1566.	5.2	936
4	The role of the unfolded protein response in tumour development: friend or foe?. Nature Reviews Cancer, 2004, 4, 966-977.	28.4	668
5	Two Distinct Stress Signaling Pathways Converge Upon the CHOP Promoter During the Mammalian Unfolded Protein Response. Journal of Molecular Biology, 2002, 318, 1351-1365.	4.2	605
6	A Subset of Chaperones and Folding Enzymes Form Multiprotein Complexes in Endoplasmic Reticulum to Bind Nascent Proteins. Molecular Biology of the Cell, 2002, 13, 4456-4469.	2.1	481
7	BiP Maintains the Permeability Barrier of the ER Membrane by Sealing the Lumenal End of the Translocon Pore before and Early in Translocation. Cell, 1998, 92, 747-758.	28.9	395
8	Delineation of a Negative Feedback Regulatory Loop That Controls Protein Translation during Endoplasmic Reticulum Stress. Journal of Biological Chemistry, 2003, 278, 34864-34873.	3.4	380
9	The Unfolding Tale of the Unfolded Protein Response. Cell, 2001, 107, 827-830.	28.9	369
10	ER chaperone functions during normal and stress conditions. Journal of Chemical Neuroanatomy, 2004, 28, 51-65.	2.1	365
11	Assembly and secretion of heavy chains that do not associate posttranslationally with immunoglobulin heavy chain-binding protein.. Journal of Cell Biology, 1987, 104, 761-767.	5.2	334
12	Immunoglobulin Binding Protein (BiP) Function Is Required to Protect Cells from Endoplasmic Reticulum Stress but Is Not Required for the Secretion of Selective Proteins. Journal of Biological Chemistry, 1997, 272, 4327-4334.	3.4	313
13	The endoplasmic reticulum (ER) chaperone BiP is a master regulator of ER functions: Getting by with a little help from ERdj friends. Journal of Biological Chemistry, 2019, 294, 2098-2108.	3.4	265
14	Mammalian unfolded protein response inhibits cyclin D1 translation and cell-cycle progression. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 8505-8510.	7.1	248
15	The ER function BiP is a master regulator of ER function. Mount Sinai Journal of Medicine, 2004, 71, 289-97.	1.9	247
16	BiP, a Major Chaperone Protein of the Endoplasmic Reticulum Lumen, Plays a Direct and Important Role in the Storage of the Rapidly Exchanging Pool of Ca2+. Journal of Biological Chemistry, 1997, 272, 30873-30879.	3.4	241
17	Mutations in SIL1 cause Marinesco-SjÃ¶gren syndrome, a cerebellar ataxia with cataract and myopathy. Nature Genetics, 2005, 37, 1312-1314.	21.4	232
18	Heat Shock Protein 90 Modulates the Unfolded Protein Response by Stabilizing IRE1Î±. Molecular and Cellular Biology, 2002, 22, 8506-8513.	2.3	229

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19	An Unfolded CH1 Domain Controls the Assembly and Secretion of IgG Antibodies. Molecular Cell, 2009, 34, 569-579.	9.7	209
20	GM1-Ganglioside-Mediated Activation of the Unfolded Protein Response Causes Neuronal Death in a Neurodegenerative Gangliosidosis. Molecular Cell, 2004, 15, 753-766.	9.7	208
21	Characterization of an ERAD Pathway for Nonglycosylated BiP Substrates, which Require Herp. Molecular Cell, 2007, 28, 544-554.	9.7	193
22	Identification and Characterization of a Novel Endoplasmic Reticulum (ER) DnaJ Homologue, Which Stimulates ATPase Activity of BiP in Vitro and Is Induced by ER Stress. Journal of Biological Chemistry, 2002, 277, 15947-15956.	3.4	188
23	ERdj3, a Stress-inducible Endoplasmic Reticulum DnaJ Homologue, Serves as a CoFactor for BiP's Interactions with Unfolded Substrates. Molecular Biology of the Cell, 2005, 16, 40-50.	2.1	179
24	BiP and Immunoglobulin Light Chain Cooperate to Control the Folding of Heavy Chain and Ensure the Fidelity of Immunoglobulin Assembly. Molecular Biology of the Cell, 1999, 10, 2209-2219.	2.1	174
25	How antibodies fold. Trends in Biochemical Sciences, 2010, 35, 189-198.	7.5	174
26	Life and death of a BiP substrate. Seminars in Cell and Developmental Biology, 2010, 21, 472-478.	5.0	165
27	BAP, a Mammalian BiP-associated Protein, Is a Nucleotide Exchange Factor That Regulates the ATPase Activity of BiP. Journal of Biological Chemistry, 2002, 277, 47557-47563.	3.4	164
28	Endoplasmic Reticulum (ER) Stress and Hypoxia Response Pathways Interact to Potentiate Hypoxia-inducible Factor 1 (HIF-1) Transcriptional Activity on Targets Like Vascular Endothelial Growth Factor (VEGF). Journal of Biological Chemistry, 2014, 289, 3352-3364.	3.4	164
29	BiP and Its Nucleotide Exchange Factors Grp170 and Sil1: Mechanisms of Action and Biological Functions. Journal of Molecular Biology, 2015, 427, 1589-1608.	4.2	164
30	The molecular mechanisms underlying BiP-mediated gating of the Sec61 translocon of the endoplasmic reticulum. Journal of Cell Biology, 2005, 168, 389-399.	5.2	159
31	Disulfide bonds in ER protein folding and homeostasis. Current Opinion in Cell Biology, 2011, 23, 167-175.	5.4	150
32	The Noncanonical Role of ULK/ATG1 in ER-to-Golgi Trafficking Is Essential for Cellular Homeostasis. Molecular Cell, 2016, 62, 491-506.	9.7	148
33	The modification and assembly of proteins in the endoplasmic reticulum. Current Opinion in Cell Biology, 1993, 5, 589-595.	5.4	141
34	Herp Is Dually Regulated by Both the Endoplasmic Reticulum Stress-specific Branch of the Unfolded Protein Response and a Branch That Is Shared with Other Cellular Stress Pathways. Journal of Biological Chemistry, 2004, 279, 13792-13799.	3.4	141
35	In Vitro Dissociation of BiP-Peptide Complexes Requires a Conformational Change in BiP after ATP Binding but Does Not Require ATP Hydrolysis. Journal of Biological Chemistry, 1995, 270, 26677-26682.	3.4	133
36	Transcriptional and Post-Transcriptional Regulation of Proangiogenic Factors by the Unfolded Protein Response. PLoS ONE, 2010, 5, e12521.	2.5	128

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37	Oxidative Folding: Cellular Strategies for Dealing with the Resultant Equimolar Production of Reactive Oxygen Species. Antioxidants and Redox Signaling, 2009, 11, 2317-2331.	5.4	124
38	Regulated association of misfolded endoplasmic reticulum lumenal proteins with P58/DNAJc3. EMBO Journal, 2008, 27, 2862-2872.	7.8	122
39	Plasma cell differentiation initiates a limited ER stress response by specifically suppressing the PERK-dependent branch of the unfolded protein response. Cell Stress and Chaperones, 2010, 15, 281-293.	2.9	122
40	Ubiquitylation of an ERAD Substrate Occurs on Multiple Types of Amino Acids. Molecular Cell, 2010, 40, 917-926.	9.7	117
41	Unassembled Ig Heavy Chains Do Not Cycle from BiP In Vivo but Require Light Chains to Trigger Their Release. Immunity, 2001, 15, 105-114.	14.3	108
42	Members of the Hsp70 Family Recognize Distinct Types of Sequences to Execute ER Quality Control. Molecular Cell, 2016, 63, 739-752.	9.7	107
43	Reshaping endoplasmic reticulum quality control through the unfolded protein response. Molecular Cell, 2022, 82, 1477-1491.	9.7	105
44	Building an antibody factory: a job for the unfolded protein response. Nature Immunology, 2005, 6, 23-29.	14.5	103
45	Geldanamycin, an hsp90/GRP94-binding drug, induces increased transcription of endoplasmic reticulum (ER) chaperones via the ER stress pathway. Journal of Cellular Physiology, 1998, 174, 170-179.	4.1	90
46	Localization of the Gene Encoding Human BiP/GRP78, the Endoplasmic Reticulum Cognate of the HSP70 Family, to Chromosome 9q34. Genomics, 1994, 20, 281-284.	2.9	87
47	Transcriptional Regulation of the Endoplasmic Reticulum Stress Gene Chop in Pancreatic Insulin-Producing Cells. Diabetes, 2007, 56, 1069-1077.	0.6	86
48	ERj1p has a basic role in protein biogenesis at the endoplasmic reticulum. Nature Structural and Molecular Biology, 2005, 12, 1008-1014.	8.2	83
49	ER stress and cancer. Cancer Biology and Therapy, 2006, 5, 721-722.	3.4	83
50	Characterization of the Nucleotide Binding Properties and ATPase Activity of Recombinant Hamster BiP Purified from Bacteria. Journal of Biological Chemistry, 1995, 270, 26670-26676.	3.4	82
51	Quality Control of Integral Membrane Proteins by Assembly-Dependent Membrane Integration. Molecular Cell, 2013, 51, 297-309.	9.7	80
52	&cestchinlong;The mammalian endoplasmic reticulum as a sensor for cellular stress. Cell Stress and Chaperones, 2002, 7, 222.	2.9	78
53	Regulated release of ERdj3 from unfolded proteins by BiP. EMBO Journal, 2008, 27, 2873-2882.	7.8	71
54	ERdj4 Protein Is a Soluble Endoplasmic Reticulum (ER) DnaJ Family Protein That Interacts with ER-associated Degradation Machinery. Journal of Biological Chemistry, 2012, 287, 7969-7978.	3.4	70

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55	The In Vivo Association of BiP with Newly Synthesized Proteins Is Dependent on the Rate and Stability of Folding and Not Simply on the Presence of Sequences That Can Bind to BiP. Journal of Cell Biology, 1999, 144, 21-30.	5.2	68
56	The structural analysis of shark IgNAR antibodies reveals evolutionary principles of immunoglobulins. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 8155-8160.	7.1	67
57	ERdj3, a Luminal ER DnaJ Homologue, Binds Directly to Unfolded Proteins in the Mammalian ER: Identification of Critical Residues. Biochemistry, 2009, 48, 41-49.	2.5	64
58	Herp coordinates compartmentalization and recruitment of HRD1 and misfolded proteins for ERAD. Molecular Biology of the Cell, 2014, 25, 1050-1060.	2.1	64
59	BiP mutants that are unable to interact with endoplasmic reticulum DnaJ proteins provide insights into interdomain interactions in BiP. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 1164-1169.	7.1	61
60	CHOP-independent apoptosis and pathway-selective induction of the UPR in developing plasma cells. Molecular Immunology, 2010, 47, 1356-1365.	2.2	56
61	pERp1 is significantly up-regulated during plasma cell differentiation and contributes to the oxidative folding of immunoglobulin. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 17013-17018.	7.1	55
62	Physiological modulation of BiP activity by trans-protomer engagement of the interdomain linker. ELife, 2015, 4, e08961.	6.0	55
63	A Shared Endoplasmic Reticulum-associated Degradation Pathway Involving the EDEM1 Protein for Glycosylated and Nonglycosylated Proteins. Journal of Biological Chemistry, 2013, 288, 2167-2178.	3.4	54
64	UPR activation alters chemosensitivity of tumor cells. Cancer Biology and Therapy, 2006, 5, 736-740.	3.4	52
65	The Large Hsp70 Grp170 Binds to Unfolded Protein Substrates in Vivo with a Regulation Distinct from Conventional Hsp70s. Journal of Biological Chemistry, 2014, 289, 2899-2907.	3.4	49
66	Protein-specific chaperones: The role of hsp47 begins to gel. Current Biology, 2000, 10, R912-R915.	3.9	47
67	The role of immunoglobulin heavy chain binding protein. Trends in Immunology, 1987, 8, 111-114.	7.5	46
68	The stressful road to antibody secretion. Nature Immunology, 2003, 4, 310-311.	14.5	46
69	Disposing of misfolded ER proteins: A troubled substrate's way out of the ER. Molecular and Cellular Endocrinology, 2020, 500, 110630.	3.2	46
70	J Domain Co-chaperone Specificity Defines the Role of BiP during Protein Translocation. Journal of Biological Chemistry, 2010, 285, 22484-22494.	3.4	43
71	A role for human heavy chain binding protein in the developmental regulation of immunoglobin transport. Molecular Immunology, 1988, 25, 585-595.	2.2	39
72	Association of transport-defective light chains with immunoglobulin heavy chain binding protein. Molecular Immunology, 1990, 27, 623-630.	2.2	37

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73	Activation of the Unfolded Protein Response Is Necessary and Sufficient for Reducing Topoisomerase IIÎ± Protein Levels and Decreasing Sensitivity to Topoisomerase-Targeted Drugs. Molecular Pharmacology, 2005, 68, 1699-1707.	2.3	35
74	C-terminal Mutations Destabilize SIL1/BAP and Can Cause Marinesco-SjÃ¶gren Syndrome. Journal of Biological Chemistry, 2012, 287, 8552-8560.	3.4	32
75	Organization of the Functions and Components of the Endoplasmic Reticulum. , 2007, 594, 37-46.		31
76	FCRLA is a resident endoplasmic reticulum protein that associates with intracellular Igs, IgM, IgG and IgA. International Immunology, 2011, 23, 43-53.	4.0	30
77	The effects of glycosylation inhibitors on the maturation and intracellular polypeptide synthesis induced by snowshoe hare bunyavirus. Virology, 1980, 103, 235-240.	2.4	29
78	Identification of ERdj3 and OBF-1/BOB-1/OCA-B as Direct Targets of XBP-1 during Plasma Cell Differentiation. Journal of Immunology, 2007, 179, 2969-2978.	0.8	29
79	Binding of BiP to the Processing Enzyme Lymphoma Proprotein Convertase Prevents Aggregation, but Slows Down Maturation. Journal of Biological Chemistry, 2000, 275, 38842-38847.	3.4	24
80	Immunoglobulin Assembly and Secretion. , 2004, , 261-273.		24
81	Dimerization-dependent Folding Underlies Assembly Control of the Clonotypic Î±Î²T Cell Receptor Chains. Journal of Biological Chemistry, 2015, 290, 26821-26831.	3.4	20
82	The Mammalian Hsp40 ERdj3 Requires Its Hsp70 Interaction and Substrate-binding Properties to Complement Various Yeast Hsp40-dependent Functions. Journal of Biological Chemistry, 2009, 284, 32462-32471.	3.4	19
83	Examination of a second node of translational control in the unfolded protein response. Journal of Cell Science, 2013, 126, 4253-61.	2.0	19
84	Dissection of Structural and Functional Requirements That Underlie the Interaction of ERdj3 Protein with Substrates in the Endoplasmic Reticulum. Journal of Biological Chemistry, 2014, 289, 27504-27512.	3.4	17
85	Sil1, a nucleotide exchange factor for BiP, is not required for antibody assembly or secretion. Molecular Biology of the Cell, 2015, 26, 420-429.	2.1	15
86	Giving protein traffic the green light. Nature Cell Biology, 2000, 2, E105-E106.	10.3	13
87	SIL1, the ER Hsp70 co-chaperone, plays a critical role in maintaining skeletal muscle proteostasis and physiology. DMM Disease Models and Mechanisms, 2018, 11, .	2.4	13
88	The molecular chaperone GRP170 protects against ER stress and acute kidney injury in mice. JCI Insight, 2022, 7, .	5.0	11
89	Mapping SP-C co-chaperone binding sites reveals molecular consequences of disease-causing mutations on protein maturation. Nature Communications, 2022, 13, 1821.	12.8	8
90	UPR-Induced Resistance to Etoposide Is Downstream of PERK and Independent of Changes in Topoisomerase IIÎ± Levels. PLoS ONE, 2012, 7, e47931.	2.5	7

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91	Role of the HSP70 Co-Chaperone SIL1 in Health and Disease. International Journal of Molecular Sciences, 2021, 22, 1564.	4.1	7
92	Intra-Golgi Formation of IgMâ€“Glycosaminoglycan Complexes Promotes Ig Deposition. Journal of Immunology, 2011, 187, 3198-3207.	0.8	6
93	Differences in Human B Cell Differentiation. Advances in Experimental Medicine and Biology, 1991, 292, 215-226.	1.6	2
94	Unfolded Protein Response: Contributions to Development and Disease. , 2007, , 57-88.		2
95	Secretory defects in pediatric osteosarcoma result from downregulation of selective COPII coatomer proteins. IScience, 2022, 25, 104100.	4.1	2
96	Acidification Activates ERp44â€”A Molecular Litmus Test for Protein Assembly. Molecular Cell, 2013, 50, 779-781.	9.7	1
97	Protein Folding | Protein Folding in the Endoplasmic Reticulum. , 2021, , 127-139.		1
98	Geldanamycin, an hsp90/GRP94â€binding drug, induces increased transcription of endoplasmic reticulum (ER) chaperones via the ER stress pathway. Journal of Cellular Physiology, 1998, 174, 170-179.	4.1	1
99	UPR Activation in Cancer Cells: A Double-Edged Sword. , 2012, , 383-412.		1
100	Response to Corcos: exceptions to the rules. Trends in Biochemical Sciences, 2010, 35, 594.	7.5	0
101	Protein Quality Control in the Endoplasmic Reticulum. , 2010, , 2471-2476.		0
102	First Virtual International Congress on Cellular and Organismal Stress Responses, November 5â€“6, 2020. Cell Stress and Chaperones, 2021, 26, 289-295.	2.9	0
103	The Molecular Chaperone, GRP170, Protects Against Acute Kidney Injury and ER Stress in Mice. FASEB Journal, 2022, 36, .	0.5	0